1955 3 IK-1 doc,466

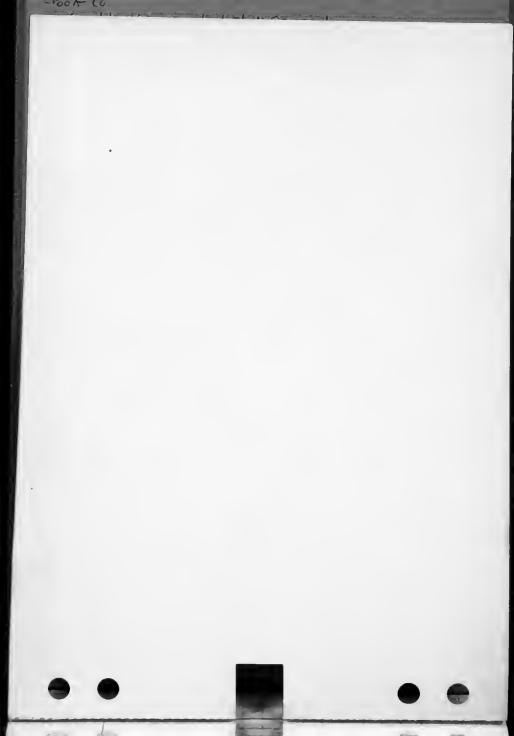
UNITED STATES DEPARTMENT OF THE INTERIOR DI-6

APPROVED DECEMBER 1941

KM.Wagge 1455 - Noteback #3 6908331 doc. 4 66 Ingan Kara study Locality W-1, partial should consection _____1 C.30 f (0 Locality W-3 Govit Canyon section (part) 4 [7429 Locality W-1, Shull Co late Fell River top _____ 13 Locality W-3 Gov'+ (suyon section (int.) - 16 Locality W-4 Fall River-S.C. contact 3 one ____ 24 Locality W-2 Continuation S.C. section - 25 Locality W.Z Top Fall River Resume on Gout Conyon over ______ 30 Locality W-5, Stull Cr. NW NewHaven -31 [7427] Locality W-6, Mous butte section ______ 37 200 Locality W-7, Aladdin ares, lat. of. R. 43 Locality W-8, Aladdia avez- Lah-Morrison _____48 Locality W-9, Aladdy area-Lak-(Four locueus Rd+111)-54 Locality W-11, Inyon Kara Cr. +1, Redweter to F.R. - 72 17427 Notes on Inyan Kara (r. # 2 (Robinson Throbald ser.) - 75 W-2 (continued IK N+b+ #2)

Part al Section base Skuil Or, or the It River. Devils Tower i SE qued Locality W-1 - Stream cuts W. of gate (3rd) on rd to Govit Canyon, I mile north turnoff from County Rd to Algada. Cent. W/2 SW/4, sec 7, T.56N, R. CHI Mes III up from a rus of start of SI.

115 Were of 10 1776. 16 1.5.5,



12.0 sher. 98-4 100 1: 45011 for recension with one inte i sit in icu - to 1. Wester - St to blocky Cou - 115 (rin + 1 + 1 - 1 2'()' -- (' 1120 5,0 for top TE 1.521 Sid . The with fight and wall r and black cond. F . 3 = 1 4x. Small hen's. E. unwee el she of opp. ples c. (Spot saup this, just Over come Bone.) 0.7 2.1 /00:21/4 - ... clayen, hard weather tust brown. 10,0+ ins. 1 & L | 1 = 1 = 5h y 5 m = 1 , 1 1, 1, 10 to 9'25, 1-(Spot sense # 2 of lower 15)



Local 1, W.Z. then in ling from top

of to 12 to 600. of 1 12 11

on t 1.1 street... - 27 12 7

Loc. 1.1, 916 o 20 2 2 11

2 1 2 2 15 ct 9: 2 2/2.k

She = reverests on tale Lilit in to intertain. See s. 21.

Locality is about 1/4 miles N. of W-1 along same road. Local badlands in Stroll Creek visible across guich in top Fall River on the side road,

Devils Tower 1 SE Guad, Cent., W
1/4 SW/4, sec. 6, TEGN, R,64 W,
and due west into R Sec. 1, R65 W,



Government Guyon SECTION.

Part 1. From base cylte ss down into

Bara cylte ss

- 3.4 Claystone, light que and and benconii. In exp of foot, it is tire of lowest to he clayst to he clayst to be a graguest of the clayst to be a gradue to be a g
- 7.0 = =4stale, h. v. rel, De.... ,

 S y coso. e.e. Hue =+= u =

 free: e. - ir brich-red to

 dieper red
- 20.0 C | Silty, rei, que in to clow i statore, purplish red below. Locally et op eve lenticular book of white porcella to up to 1.0 long on in qui Be 4 brown or carried in the second of the second



Scalend in lower part 1.0+ Clay; one, sila, yrren.

On up quilly toward clifts manker changes take pize in color of this part of sail is, below to upper grands clifts. Also I - cliffs.

Local of Firt.

1.1

F

16.0± Development, claying sends len., and

Since cogstore. Chiering sent free.

We an interpretation of sent of sent



Thrucut fais includ pollen J chart poob's westnering out. From 12" up to 6" long elsm. restered. Tend to occur in numbers local in their sparsi Seen in place in both claustons 21 320. 8 IT. horab nx. 100" . on west! Some Carp fores of -and 16.0 prol = 1 -1-4 (... gray. 7,0 Some For toza o copulishi Sily cis. , hel 7,0 = -11t5 2111. 21 11 60- 5 3 245 "15 120 Part3. Start " I re ver bas it Dirazelt, at botom of ar ... 15.0-? Silts. 166, 1.24-41 Var 43ta fill ar green = Trr 4 50-1 - - - + - - . 1 2 7 8 - 2 13179.31

. .



• Upper Z= feat havel Silter Clausiant ord zend gozy, 9.5 Cleyson green, some gray 11101/ My 14 10WIV / 20-1. 130-11311 1 (run) 2600 215 Ebour of 10 35 Cft Bozone ligate + 5 ir. ir + top = 1 m(2. - 110 Sz . - y c/ey_1 = _4 -_ 1 Claystone Sacily, 3,0 gray 1- 1 = + wi to with are ... cz. foreig. · K. Sent_1, 11 11, czy fried's, -2.2 1 100 ween, here leg or
about from lep our 1 3,4 134.1. 01 EU F. t 1 = 1 / 12 ' ice co - e no policheco pravies. 2.2 - 124. Tis C, SZ 1- 1, 111. C21 122-1-520, U 4

5t -1-112 ... t



polser. pervirs ne e se sono seca in ple s in immediata vicinity

Clay 7 - 3 1024 dent quay.

Low 2't 119 1 . 34

EL 1. EEE = 500. 1

Plan Mess Under Crost

No que Croca 5 1 . see a

local a has give 144 com.

Wist Cut, Time 2 . .

Unit.

10.6

on orles, luming crust on

Super ups part (. ++

shale. Stattered corn.) -



- 1000 Siltstons, local a Merra de lect, westhis with grand cest, has local Fe brown sie unesses.
- 2.41 Claystone, tough 19th gray, with gree 1 24 cast
- 3.5 Shele, de gray to blace local y carn.



becauny mation a estate ved in the sit if it 100 112 1. Very 51 1) -1- -- y 5 - - 14 hzu . 5.3, cx . 2.5 bris - red win IIHle 15 elle la . gieli . Soul Fe Brit Por In 10000 1. = = , L L 2,41 Ciau. Soft. P. 3,0 4517 2 95,41 tre, ([- 1 1.) 5111 - be com, 111 =1 top. Uiling tract. es Tic Cult 118-2- 6 10 1- 17

No 6 " Gov Cruje & The cor ct, and a constant sin i prin . y >.

1.0+ -0 c S= 1 9.211 str. str. 41,4 51 - 1/13 -1 - 3. 16 24' 1,5 - 1 2 - 14.4 grz () 12 -? u , 4, 1 , -. 1-. COM 10 13 6 250 15 f - C 1-- d by c. 1 L ._ In upper !:. (--> 1.3 tell Kull 11-11-11-1 with the first of the luce + & sel lieur . It. Ly.1, 3/26, i-1 100 21.09 1: 5 react of the



3, 2+ Sauce on , the crivi lant or course array , czro freus turves, lousi .. Low- 1 to 2 breke in Interprises gray clay is Silt to 1, czrb Evey. Shell, 95-1 (11) 4 195 1,4 port. (Szmpie Z. Itera 013 (Fr wa, hand, 511+ 2 etc. = 1 , = 1 4,6 Fo gon litrium de zmi seeme thurs a TZI. 4 PLI TIL GUI 1 . : out to s 1.1 strium. 524 = 91 = 117 11 - 61-15-1 Lutin = 1 - time go 1,6 se + sin to e. with · Fo improg. 10 91 0.1 to 0.3 thet, 2 of tes. locally preminenti 12 This section continued on p. 12



desure of Stell Cr. F.R.

Messerin - en m

5.7 Slizle, & 1 1/2 2 1/2 2 1/



arecon te enter silts a

- of Fo Standed, over with

 red flecks and me. 1.

 Go labour with
- 130 of 10 some se,

 130 of 10 some se,



Leire of som so et or



Gov't Canyon section coult from p. 12

•

1,1 So ... (... b.1. u. (r. ... r.)p. u. ... r. 504 s ... por 6,2.

• •

7.0 See to sir p, bett a rin

lein to content, the content,

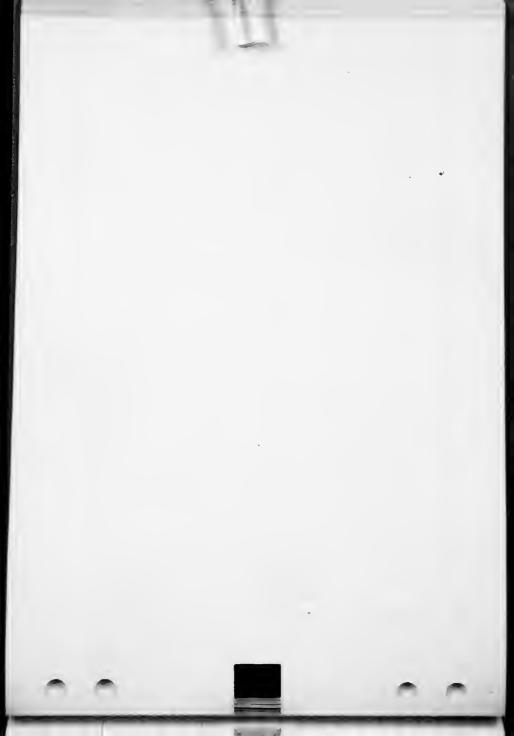
lee 1 1-2 f. rev : 670001

se leds re shirt.

in near 1. 1

611 SH 211 WI ! SI

Cit of diag & settler



, with in interes 1. C'est 511 - 100 . S .- 12.1.
10 - 1212 - CU 12: P1 4. Conc. Fc 10. 90 0.1+ 6 7. 5 111 took - (141 71. 53 cour in. 3,6 bu 1 323 1 t t = 0, \ wc , . 1 . . Imple: et 100 we little the control . . My .. to --- On top - 1-11 1 . t. 1 - r 1 crusi. 1.1 -1 - 7 - 7 - 1 - 1 LC (> 1115 -11 - 1 0,LI 0,_ Sandales, today X-12m, bec. 0.5 3hel se 1, gray 31 + 17 17



	thin yelowich zer it best.
0.8	Siltstone, gray, sancy, shaly to massine locally, carb. flecks. weaths gray white to light gray
2.0	Sz. stone, fini gr, Silty, irveq bodas) (rizsle light bett westle, locally elsprop. Has to uprig 300 cs your to it, for crounty gasele were noted All h
2.5	Soundstone, f. (-go, messive, bos) 0.9 Teimpsen, weels Fellown 1 cmi me well of your
41,5	South frequency surveys a , to the wide of the survey of t
0,4	Zuter e de torre sher

1175 -1 62 62 7 54.



- 1.3 Szidstone finger. temment M2-51- w | brike in Xola. 130. by solvery, we = 5 yellow 95 zq. Tu as we + lord q. Sie of its be in 1'-ne soun rece, it is
- 2.1 Sin in fire, look of gr 101 . Tin. I with Upt to 0.5 Irreg into acztaco a Lew. C.S. - 'one un pt bil Sin . Unit is Izt. Uzvi. Tien in Si U, w me lags on ke. ple 15.



Lording mor strong in mid a part. On ele tre this internal commonly oceilars until contra rolling. st .. Seris " tiente ar lou-gri la tall bes, some massive some esvicista X-12m nete. Silty 30n. = 7n Many Crish werke Zones result in show weeth, HIS 3 or 4 000 30 100+ 11 thick and locas in basel 1.5 to 2)

Fe impresent 1, 1, 1, 1, 5 for or winnwicking tipyle Upp 1.1 1 , ran 'or wall. who promotely at tep lai 1. Top su a serve toacke.

1.0 - 11-10-1,9124, (1240) u hu Corp files, locally or ty sh.

FU Dr. crust

inte it com 5 5 - 12 1 silty clay, gray and wall + to part, and so de in Leter Inton the, Oil one, tout form at besa. SS is lenterlar, X len. As so we car -

(#3)

10.6

2.2

This interval

P.ZZ by P.ZZ ke



(# 4)	15.0	Se
	3.1	Shee, certaines, per a in app. foot youd in to slick a certa lee so la en wing some silt. besel out is proposed in the
	0.7	Shang, light gray cilling with thin was I mirrage Frage law. SS at top. This has
	2,61	mer sil - out , it

•



nis bolongs userte le impres, sily = 11 s. bull mof Vic word free. 1. south. Third of character of they a die page 20. - 11 + ligh ar- a clayery silt, 3.4. Luteria gre in Si. s I. Letter > SCIE + Ili . a. + = = lateir 1. 1 61 - 6-11-0,6 Le l'ef sièn : l'es : west . purta be the. 0. Stres 110, (4 11. 2 1, 14 11. 6 wit atested gray shale 5.0 Shale, gray in 11 who in will all with sixter in = = = silts = =. Upp-1 2.0 .. Siti. Silfor Y . . t Lab 5 11 /2 1 -+ (locally 12 ft.) with ... with

on t



on but son son with odd 11.

I cs on wissing in direct of 2000 it

SE. It 2' from soid lop, In 19.

2' interior mor is a tun beas

Con 1:3 A our I for 3'

warn out conditions in I continue.



Locality W-4. Tai war- Sin r. Con el gini. P. - - - IN 204, St. Az 10 po 1 f - 1 12 12 1 55 . Siz - of Fo Fa, Kiver. Lo .. Mes . pe. 5 for 1. -1 c. sk regitari 3-11 5 1 1 1 1 1 2 1 W. 1 7 1 1 1 1147 C.F. I NIS. L.



Locality W-2

Con 11 setun of thati cre! It free. In bor of the mother on he 5,0000 2121,

1.6 Bertone

She, 52 w + 01. 51 Tr 1.8 conc > 1 2+ +0p, - vc. ulph + Frink. L? ! 100

4.0 Sh dh ; 41 . 10:-21 h. (ov . 1 , from 1 1 = real tay two type at col s. (Sample#1 >)

3 2 3 Op 14 COIL 12 J 11 - 4 1 14 F- 61. 6 - 1 nd - s 1 60. 1

to mosily small as to me my. I a llid t circ cor. . Ila for treamer.

Attop is silts and gone 02-6.4 les - with since -. v -25



9.0+ Che, cherrorrigien to he is wezines ligh grin 2+ 27.1, bi. waish gir, bove. Be onus 51/7 4 Upp - Zers : 2nd UIP. O.6t L Festernal Sitstene 2 5 54 El, 51175 31 34. Introval juctor , scattered sed out CONCLIUMS, Some com to 1749. On 1051250 2007 10 - 2000 4-11 - sir- h- replant L1_ 2nd -c 0(2 +, (Szu - 2) 110011 : SOW SCE -541 · Style (Szm, 1 - 3), hor 301 111at west to fleet for 11 21.2 1. Trustio 1 6 - 1 - 0.3 to 0.5 Fe-sia I SIL . OHE WAY! ezi. A ol 2 1 1 / Sult 11 2 2 12 165 - 500 6-3 -. in the day blue blate were The , c'eu will 4 - 1 - 1 - 1 conc. se se ptim ... bonce some in senda conc. n'esis tos c. lowe. fort the



11.6 Shall der 124 & Diz. Com ing lie & sig , upper f. end sommet less por intreie in louis surt. ... 5 1. begin o wir all co. . . . A tra At top is in move sit, lee ! Cour 1 21 20-1 121 121 0,01223 (11 1) slip + 416 6 6 (m). 5,5 21 1011 014= Li pslip to sity Fritzi 3x c. In cre bod priso 11 no Like so below . 4 - we. 2 up 6.5: Shai a peller lead 5'occ (-1 -1 1) 14 45 02 rec 2, for 2511 2 - pprov by wir . . . Z'. 11 /C12 1 - 1 - 1 - 302 K -ma love, weather Ul ... Let to sup 1 1 4 2 3 3 4 4



W-2, Fram ip 5 = - St. Tr let ?. e. c. c. diun Shull (1. 61 + 6 + 5 + 5.0 Comment of the contraction of th - W: M U" 21. 67 121 1, +71 11 1600 0 7124. 11 5 by . Som - 14 t Section 1 5 3 th form top, =1 - . O. II ic 60 1-75-1-DA assure to - 15 14 2,0 le z .. upper Ci6 C11-0. 1 2 m Sai. N FSS .. . C - 3 und sig is it a. 57 6 1 1 fin 1. E 12/206/ 5-3 Thy langlel s





Resume' Gov't (zuyou avez.

Stull Cr. - Bessel part has bentonite which may turn out to be good marker. Local abundance fish a reptile bones may not be typical over large area, but similar bones in Carlile good — of Hot Springs S.D. (see spec.) also the plesiosawa from N. Colo in this approx position.

In most other parts of area, more evidence of borrowing organisms.

The upper "veriegated" zone doesn't seem to be evident here, nor doe is stely zone common above basel so an Ingraker.

Cr. present.

Litate. Believe only part of it is exposed +
that red claystones basel part section
are Lakote. Set up like that on
Robinson-Theobald sect. Inyon Kare Cr.
with uppermost so coming in, but here
some gray clot between it + Fall R.
contact.

Should get more into on cross cutting of massive so near top Fall Riv.



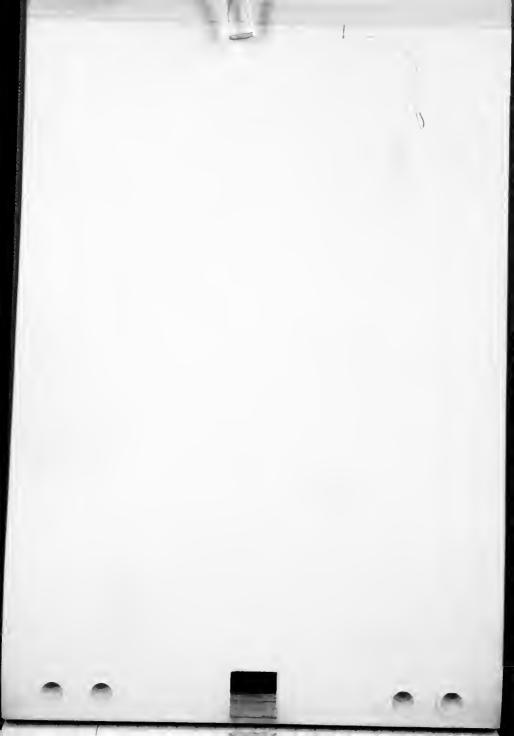
287 Eichen Bull sec. 37] I see iprepr. 7427 Locality W 5 1,0 ic -S+ Cr =: .. Bank of the y les proli to for the. Neur (to ut = ouse) Seichen Mit of it 3.0 plz 2000 1 == 1 lead lear, ... to IVICI Des-4. -Slope was b VC = 1 = 1 4,-518 ... 1161 ϵ_r . ϵ_r OUE 1 - 12 San 'sur, tuc ar f 100 E - 11 2 E L - CI(1 115 10 1000 1000 . 12 1 _ _ _ _ . 31



3.6 Service - the residence of the service of the s



Offer Feller	12, +	in is with surpressing the first of the list press (STARR II) Shirter, bar war I are Litter and a list of the li
	5. ,	$\omega = 1 \text{ord} A$
1. A825	2.4	Shell be constituted, And the constituted of his econstituted pellet and which is spersually fossilitions. (In 13 cm Sept 2A, Shell Semple 2B)
	9,5	Size, / ez : , / S. I. , willy Ciris . : 27 to 0



br 1, 5 lic. Street street cone D. n. ou: lecel 4 21. from top znothen alec i 4.0 (12.1 42; 5 p. c. 120, 6 4,3, Su+ di 1 1- ... (1: " (cu 11 'n licen 21, 24 C 511 1 5 1, C 6 1.1-2 6,5 5+1-1 (5+ , 5) Sizi di ... Lie. .. 1.12 14 ... 6 51 1 1660 110 - 50-10 57 . 50. 411 4 1-1 4 5000 40 (= ...) LE . IL, & SIL + DOL , + W., Con , I will it or luct zu will silty bak L' JOZIAS fo CILILLY · · · 41 / 5:501,2. 1/20 lucel 12. 11 Fore 15. Conc. + qui : 11 cr rcs. 34



4.0 11. 1 . 10 t. L 7, di 2 , t 1 0 ; e1 hil cu' - 1. 1-1 1 1 1 5 G 1) 1 bil 1 12 211 - 217 ... Se pli 8 6.7 31 0. -91, 241 Soure 1 ptis (muple 9 -1) 1200, 25 110 5 1. (at 11) 1. 71. le ein setti celcicone. 4.7 Shi great LI W+ to take and of the 1 31 - 1 . (Somp 9. Sizin, ct - 35



(Samp. 1. B.Co. - 71.

Sinctor = 2015

7.10 - 7.11.



Loc. W 6

a belle en mers eng den. 51. 281 M-1.04 To wise -11-14-2, 10 1 -0-1 P' ista fore . 3 spor x 1 1 cel in 2173 for e Core in Jekich - 4-17 courte ou xing + X 1 a 2 mil Setter I in iving ind hollow cour 1 == 260ut 12' 12411 + Festure, Perk found in 1+ but any our secon.

153 129

4,7 Si. 1 412 95 34, 5124-1 Kirchel Pepp. I with tering INCUS Spr _. Soit forms white clayer wash on beach 5201 22. 2,7 5.11-7. Cp. Ci. to 121 15 lac - 7 = 110 , 20 114 ". 24 2 41 -4. 24. 16 C.L. 11 11 -- - - 4 4 Secario Ca and to be , may a so contin : 4 / Y(-- - . Ecu , 110 3 5 per .. 960 Saaster, ill it, (1 . "M - s c 0 1 0 d sp 51 - +; 1. 1 . C. WIA . 21 . . CG . . . I'm is a lie a line For the the conver 91. . . 50 c. 14 5 1 19 1/s. 1 3± 1 4 15 15 1 En. 13 4 with cal, lara 2: - F : SI 4 C - 4 9+ ,5-0 -5 (4 (4)



51. 50 . 3 61. L .. Lpp . _ + = + = to be since the second 1.16 4 6.61% 3, The second of the second of the second 1. Ivery in the Ather Com 65 (1 .. qv : = > 5,5 levid will to be - times 51. 34 4 61 . . + 1 . + + 11 = 1 - 5 1/10 - 1 1 221 it to locally locally u ... M. J. q. . . 20 76 L. , Isvel, over I kent, al-11-14 016 (01 50 + O. Car 'e lar shi some S. 1 60 1 + vict, = 2 5 6 C2/10. prostree , dr gray to black 7,0



fin + cet to zegus. is is a see soudy of ist. ". 6.4 - by ind arry Mir , Cla- 1 mich, ma · 1000 . 1 . 100 . 1 / 100 /s Co With Siz n . 1 :1: Cl., .. 1 /100: -- 1 4.2 4.2 1 /2 (= 1 = 1 = 1eb . ley 51 ... ere q: . . . unit oct 60 Czust 1 14.1 sve " " a in 10 2 f u. 573. 10 6 · 524 6 ... at 29 12 0 - 14 41-1 fr = 1 to 12 fortic San , amed to co say 2.6 tell, lad End i ct/ liquitie and Mr. Wa, brown & blee -



1. 2 4 19 18 18 186 18. and the second s freede, x 101.1. 1:0 - 1 1: 11 10 12' 0, 1 Light = Calle Cill . 17427/ Charles peak (1-1)11 2 1-11 1.0 + d = 61:0 . 6' (Securpor 1) 4,6 cla. gray, s 71-24 -1 4.4 (c *.' _. e 11. 11.0 - 2 To 1. F1. 1 = 2 - 6 . 3 . 11. 119 Sand Calad perm y. I to unit brunt S - g an sence le 1 d + u. . L



3.7 (24-1-41, SENCE. LIA CE ? 164 SS, = S o gradation Will but a creat & Dr. U. G-12-71 - tit t = s Cylte a cus. 6 (125 16. 2 4 105 100 et = 21 = , 1000 2 1 3 1 1, 568 S Fi 4, 2 1 1, 1 C = LCC 1 : 9000 0 011-1 Lic WHITE Som S ZOOL La protie ** , C + n, q, - 1 - 3 --c-. 1 5 2 6 n 6252 Sen of the in a cheer Stringivs - 101 = -11 1254



W-7

Old cave I where costing we 1/2 mile E Aladdin, Just N. of Wyo Rt III in center N/2, SE'/4, sec. 28 T54N, R'61W

Care . C. top In So

Part A

2.5 St. ... Westwees I really as to but locally with plushish crot, far. 1 sof to foreble Beszland Got to compare to the state of the s

Ois 1 2.52 Conglish it 30 is a Mathe of

The construction of St. In place of order

Clair Converted of the confirmation of Muci plant matter, norse

Test of conce illatex ching

Conce in sort of conce illatex

Conce illa

43



common el top.

- 13.0 Sendster & Mangy 1200..., Cross.

 15.0 Tered (11. leg 1 2. 1

 1 Agre (21 nors + 1

 1 Jan 131te 2nd som:

 1000 300 3 wr. 5 + 1-1-1

 So f: 112 j /21 72 . leater

 Co 1 1 5 5 101 J upp .

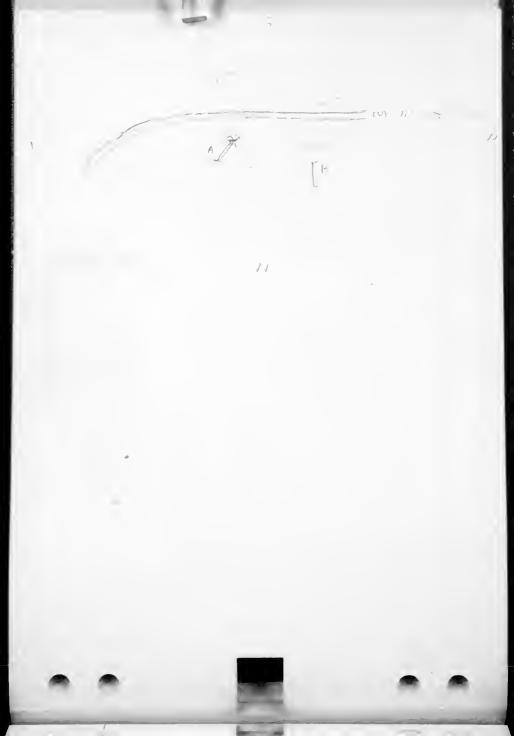
 Su 21 + 7 1 100 2 +

 Ly 1 1
- 5.2 + 5. 15'c i, w or x -w, milityr.

 1 suisal n hinds zung sonke

 1 yaha in ver, werther with to

 -roun well pinkish stan.
- 5.3 + Sut suc ve yaq in to chucs with con-in I in of ss. 2000 + th in my of ss. 2000 + th in my of ss with Is con in some but spiral so with in be of a) of Fe imply yours ss. Weathers to wash of white, piral sond



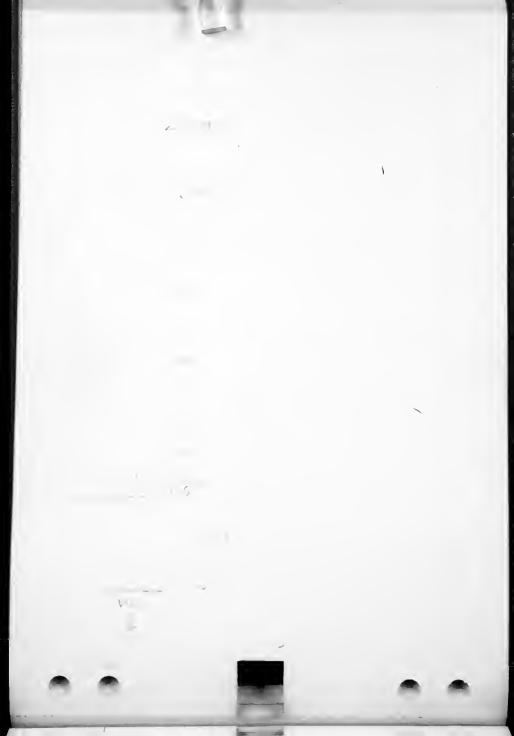
Sandstoner, 1122 Jz, bostum - really med, 7.2 1 1, 2.12 11, = to P= -- - - - - 1 = D . 5 = P - vi, To was elong over of 15 th 50 zbouc. to west high po in mice. Starting 27 Was of 15's 2 bever Szele is mis Ve, Y-1>mil 14.1 end gr, weathers bu, to bookin, 22 1 pl. 1 20,00 in i velice 1 , 1 , 10 1 4 4 4 1 1 1 Fugget and t cal so Local live in Thosh b 1 5 21 ... DZ - 1 LUE (7- MESIN) - 4 te + - 1 1-x bicc 1. / jan -1 vv 1 302 hire localu absorb. CHINO'S OUR A-TURATH WASTUR

1. MIL EN 4 18 WITH NOW C LICE 45

Part B



46.0 Sispe on rely wish and Slump to prise of 1st 12 1. 12x 9pe Sie LATER H CLA BET CLAROU! CENT account in 120 - 1st Fell River De 1. 542. CZV. 1. 3 to 91-1 size 5 + 51/14 (-4 -4 0.5 Z, C + te, - - / = > -1.9 10) - 1101+104 9...lina . I of up of a first ries free b lower ss. 41.0 c . , temus x-124. from uned, gr. but to be an be no sister wire wellend time vert al Loting to. Suft = ruinonly VIP WANT J. 6.0 Court & Slope 46



i - a strate, vaso octos re 3.7 ter nate law, xlev. weaking the job for it W. 60-W. Cev- 1 5 2,00 13,6 Sich its of a constitution 1. 1 + 1 + 4 1. 40 3 フィム・・・・・・・・・ でか、たい Elm () Salare, mise ve in the 11,5 here. 1. t 1 = 1 5/12 1 -\$20 x 11 1 20 14 X-1811 Port C -1,0rule (4 , Living 115 to vis to 20 rel cute - 1. (L = +E, V= (. 12 - 1 Jc 1 Mr = 1 = 55 =' ' t, F 143 7 2 2 2 t. > 1



Locality W-8 Nichelson Ranch

S side of local high ridge E

south of Wyo. Rt. 111 about 3/4 might

Aladdin, NW cor. sec. 34, T.54N.,

R. 61 W.

Stating of tops of massiver and tops of massiver to the state of the s

TZ. Serial Seria

iz-recis con-sar, med. que se usin chert qt, 1 = co = recises, pollets so + sar y clotus, que de se esperantes, pollets so + sar y clotus, que de se esperante en esperante e

48



Use .: 20 - 3' 15 loce . - 7 Cizyen SS. Cr firewie: With Sime hard ladges med of SS. Poli. process loc.

35:0 See : , and ... go e not with a poper 20'

which is you low gray to a go body to body to body to body onto the 20 with into wades

illa to seriely sun to see so a serie see so go body to light to be seriely sun to be seriel

115

15 at brownish yrzy

with print tory; (including

cycza lieves), besel 0.5

15 liante shele mrny

print trzy, werths

purpl. Mocny yele, sien

to sind y e'zy, plant trays.

Prof.

1.0



- 4.0 Sea vene, mod qu, missing,
 for the forms, bother per ica
 least, to you to stand or
 quely and come of the tes
 to local the
- 4.0 She, of go 1 to an brownish gray
 findly silly weriters your
 to people array 11- 4 plant
 fragen is and local thin
 3:1, pent 2 letten wakes
 light shelf.
- 2,5 Cost mate), and shay liquite

 Uppor 1.04 hes considerable

 b. cos so cos lower 1.5

 chat a such as liquite.
- 1.3 Shale elle booking 91 24).
 Wez: here ligh 914 plantings
 be common some at become
 - Shell, Se dy, 412d that to shell, Se i 1200 with this 1. to bell, she of Plent frent, some recognization 75 loves



5.5	Se in it was as your. 1.0' relet vely cleen 5" - un lower puritor with the
212	Shau dr. gra. blocky, planice, fin.ly silvy.
1.7	Coal light, ric
3.0	thin gree in the
0,4	gray.
/ /	Stize, dt arzy Luc. y.
26	Since one, fine gr, som
1.0	Shall 25 = bove izeron ng lignit (21 6256.
	<i>S</i> 1



0.2 Liquite

- 2.8 Soudet i massive. Fire qui e mestleure liquit quay some yellow & bun stain on joint faces
 - 2,8 Shore, worth, d. 9124
 - 110 10 = 1 = 10 = 11 17, 11 an -
- 11.6 Suzi, & coty, cht grau

 cot e con the bassel

 1.5 Sulty can a at wash

 1.9 0.3 15 laye with.

 when weaths every.
 - 1.3 Shale as anove
 - 2,4 ig to. 520 1, 15 511 tory, 1. . . , bicon, become a 55 ay = t b. ..
 - some lenninge of 19 silty

 sli + ss = + 0 zs, Fypsiter.

C,1/2 10



- 2.8 clays ar, gree night gray
- 13.0 Throots NEV, dt green st gray with the te genes t
- 15.0 Che so served by slope wasing Percha gree, mark a source line run in float.
 - 11.0 Seculations fine, gr, gellen westy forzyl, then boddest 12ml. with some interior
- 5.6-? Sheli, selly, book dk gray, with sill of lone in

Wonce. in stolen bottom.



W-9 Road + stream cuts along rd to Four Corners from Wyo Rt III, chiefly in E'Z NE/4 Sec. 27 T.54 N., R.61 W., Just N junction with Pt 111 1 3 161 1 6: Salar X-lawy Vip mezohorat di a toziki, fi 40.0 in luter et - Upi is -graning to git 11.4 decente the . in I - Fe sie c. T. C ', 11 - 12' = 1 0,5 tol, ... , lee - 1 - 1 - 1 - 1 7. . . 1 c/- , ---1. 4 9 1 1 1 11 11 11 + + 1-20 psc 1. 3.0 In : ... 41 -16 . 5 1. - 1 4 Sh. - + + + 6 = [- 16, N J. J. N Gra'L cil (a lower too, chet x 1 1 1 1 111 4/ 12/ 11 1,19 = ks 4 = 4=1 p-bl Som pright penul frays 11, 2,6 instituted, wash was a sury d' co . 1163 Suc 4 Lister Colose. 54



2.1 - suditions, wirdings. Yellow wicking. Thickens wide sould to big christic the culting out most wills below.

15, Siel blockly, tree mor

1.3 = 2-7, loc

le rent la upper o, s

rent eur is elegan ents

gran ho sity sh.

E- L'Gran Claysiane, place of the gap X/s

Product to gran sh clearly

Simple lof upper part) 55



0,5, Siltere concerts by Fo

9.7 Since dk gra, clay, some soll little be is
in sper 3'.
Sample 2 of upp of
5'.)

Cover be wish.

7,6 S-nc. negft q..., wessus up . o. loc Fe 10-Fig. 16 11....

21,0° In and constant for a second for a sec

Commeptens brevializ (Frut) vell



Go + comes in them cost

and with term netro cotron

of 1. unit. South revoss

quilley, top the SS above

can be lest and be in the

1: 13 23 of ...

in be - ite st

_ , - 5.- - , - - 4 7- ,

15., 200 4. ... L J. 200 91 21 10 Float 10 625. 4 for



KUZVINOLO IN GITHISS.

415 Clayson, er q. 24, loc. Silfy, source gyp in Evactoris. (Semple 3)

1,3 Lian 1 or 1 start 1 trans, (sea " ")

0.3+ Sendston, COZY 10 19.

u. 11/1 pl-10. 4 = 12.

Into 1-1 -- 135

? Sim " et, N > - 11 , 9 - 3



W-10

Arch Creek section. NW1/4 SE1/4 sec 14 T51N, R.66 W, just off rd to Moorcroft to w about 1/4 mile before it turns wover ridge.

of swell butte for Nor while Moveraft rd Swings Wup Fldge. Measuring down

10,0 So uc, +- - - co 1- 2 4.61 In it be tola Chiet, water in to 1.0 but 118 + . X-12m. with ry, le built

1611 be 21-1/ 12011 2 115, 12. FIR 1500.

Te cib land . 1 = -7.3 51' 11 21 4 1 53 4 1 11. tica 54: 4. (11) len 5 5., be en , 9129 4 Pry tru W. is yellow e = . w. 500 Eis Oilt, J. et F

11.3 Size grate gizy 1211 11 212 + 100 4 59



esilf throughout. Local, nzs cerb fores zuch ze i is wormworked. Some Formprequete red by a weeth sit layers, Some course To in silty rices,

- 2,2 Saule's in for 91 1, 41...

 bods up to 0,6, cros--- ate

 Lrocks to plat + + + + + + in particular

 along lines on some protocol

 1110 to s . + slocks. U. 160
 2 gree bor = - 1 is

 localla to 100 por 1 & sepor



lumpy surfaces.

- 5,3 Shale over blisugeray,

 so thin silt interbeds

 live; 1. Zo (sample

 2 is spot of wor wild, z')

 L' inp ".
 - 1.5 Sen on the aread, upp 0.6 comment with vie . leminer clay, frit in lourlini a x-lem bed we view on the or weeth y of the lour
- 4.8 Shell, gray, will be a gray of the state of the gray of the gray of the gray of the state of
- User of lice word last.

 Office of lice word lower

 of clayed with 12 shi 61



3,0 Suz., very solly in upper 1,5 7024 + (17hx 91-4, Wive. sterm, Louce lib 12.5 silty, derk go 'y 2.4 Sand Love, time graniel, & siltshing ivrag lute. Irm with dt gril bei , localy just un vec with elzy. Some Intent is study Shal with crob furgs. Unit to the trans sett le werkuis to Fill Comments . Place Silts1. 70 1 2 1 - , 5-CI. 1, -2,0 5. 1 . 1, +111 Tr, -1013 /24 11, L lo L.5 tavel . ry 11 monder (2p 10-140, west to Fe bess 3,c Send in Mess 10, • tici 4 2 . 1, 51/14, 9100 12+ 10 7 10 Silts 2 ur. but. 1.5 S. , so cy & snelly. Irveg. tuin outil, 5 in shil: 124 1.121, 62



- 0.7 Shell, gray silly,
- 112 Sara-form, 1 an go, un thing with strong ptngs.
 Frieble.
- 0.3 Shele, black fissile
- fund becaused, and fig offer

 last becaused, and frame. -).

 locally Summe of section

 locally Summe of section

 log For show 3 record top.

 If y For show 3 record top.

 Siely a lit private

 Tax was smalling 'regent'-



Part B - Starting at loans of butter
and merson ny up to John Part

A,

the a blu approx. 16 feet (handless about 1-p of bord of (Part C),
the contract of contrac

18.2 Clayston Soll containte with lea contents

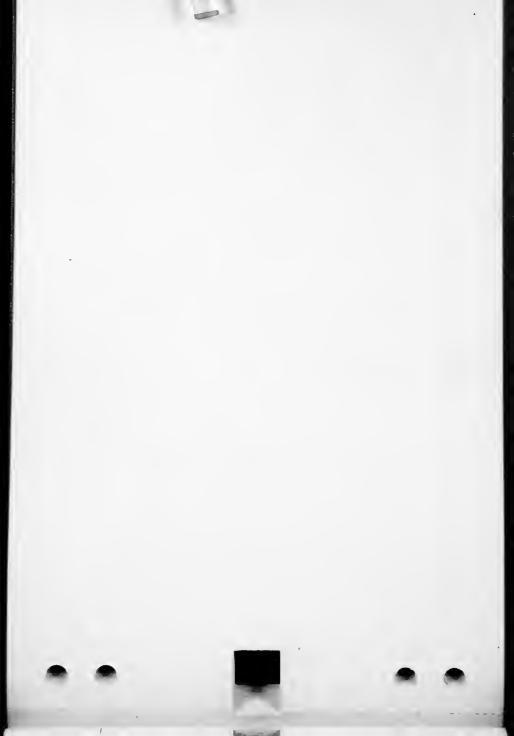
/

5-

(1) (1) (1) (1) (1)

que s ye see of a complete of the confliction of th

About to gray of gray of the second of the surface of the surface



Of some type. 0.3-0.4 Bour of corns: szudy elsty, prove, more roundent. A number of plan. lake Dela for 5 11 1:20. ho. . (1) 3, 15 4 1, 6 Sta with south light gray 18: 11x Serus to be write on unit 26c. 91. 6. . . thi-L. Lu. (1-11, 52 (17, 15 7,5 som er at base, with calle , zud 14 uppin 2 Fert, but mied per spe 5. 11- 11- 11- 11-4 50 01 70CC . . C.t. 3,0 clier a ned qual 1 . st is silt and scallere carrer gras Mezin & gray white



61.0 40.02.1	Sences present from to a line with second of the coesses carried together costing under on suitable of white event hither and the sence costs some class and the extension some class and the extension
	10 1 10 10 10 10 10 10 10 10 10 10 10 10
frem: . (cr	1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =
1201 60	M Cla
2.3	('-y.'-1
1,0 +	(butter 21
4.0	Silts one, evq. 2 01. in. in. were he light query, qress el c. insu silly class to come to bove tell, with some tous to ass. (Excl Semple: is bessel foot)



- 5,3 Claystone, hand, dk aftay silty, locally an availla alt, has scanced coarse grans at the att. A point of the minute local, policy of the minute local,
 - 2.6 (24 or , 9 24 + c c. , 9 7 2 4.
- 1.2 Siltstone, havel light yellenish
 gray, clayry, and site claystone
- 4.5 (/zys on, gray + cit gray)

 /our 2 (rt, black)

 Lour 2 (rt, black)

 Lour 2 (rt, black)

 Lour 2 (rt, black)
- 5.3 Sazie light gra, weeth is
- Jene tone, the grant of line of the state.

 In the sco. Intropeded to with line granshale.

 Jene Fill ich ser trails on with ser trails on with your contrain.



Szmple 7 of Upper 2/t.	Claysiand and shale, about 1.5 soft ways, pass be itemitic sta at was light grayish groce, Girds upward to b'army shi, locally claystime, gray with growish east.
Szurple 6 of center oct 3000 Szurple 5 of upper 2607	Claysiana, a for baine, a. hand up some over a for col evere, statud as ce I van around & gits in que a learn to the statud by the second and the second and the second as the second as the sec
7	por wattring of all of his teams of work.
3.8	cassor, ray, havel below your un upware in to soft waxy claystone (Szropil a of upperz')
★ → 3,5	Sirster, clayer, and silty claystone, hard. In sterp
1	Lii Digray to bla - 68



with amount plant trequents

Silts fone, hand, gray,

platt fragenests, into

land, they are the state

with cial state that

and the gray silt is a line

Locally forms country

lady, a gray we to

yellow gray wind

siltst shall into act

up to 0.7, face a ave

uisely bear

Jo 1 1251 1 Mez . 1 07

Part c - · · · cut rep down,

s lucer super, Part 8

Li ilia 1. 24000 to, to

10 c Sere of 11 per - ve, time - s cution of - x lest, ceta - s cution - treple.

23.5 (C/=+) 1., Vzricq - chi



Hoot 10-13 from orse is Vericated red + pecon Strik, Besel 10' complete. Observed.

18.0 Ser = 1 - 200 / 200, Com-2-6 110 m ec-150, Com-2-6 110 m ec-150, Som.

18.0 Ser = 10 110 m ec-150,

Part D. Cuterops across Fait ver

PPC. S. ECT VOLS, ...
Z'OU 6'= to top of
Ignit (She En C. ...
Strictor + pur oct che 7



complete el ave. sectin

In aite a cut en up vord is

Fet cours - Sho Cs. com t.

About '2' bennes to in Sul

Cre t 19.8 28 - it. S.C.

Is Fernes at in little sanct product.

Include some to - box 21 ig

cones. I ell.

Tep c 18 cu 1 s cu 1 s



W-11

Placed outcrops along NW ridge in NEwr SEly sect T5-2N, R66W, about 1/2 mi N.E. Arch Cr - Inyan Kara Cr roads junction.

Part A

27 , 1., = L =, 60 = = = 1 5 1 .0.4 It so Si vi of 400 si 1-b4 = 941 . 1:+1 ... 110 Shele, gran el , per e e con Or - 11M 2 - W3 . 1 - 114 · colo va

L Juielci yran aran xv' 3511 the with out of chills.

41 11

(1) (1) (2) (3) (4) (1) (1) (2) (72)



Sizi yrzy chr. + (not . . sir) 85 . 1 To chunks cleys our in a interes, for i es 16,0 91260/ 1.00 2. 6. 5 4 1-1-4 CH CLESS, ACT . + 11 } 25,5 Pri Ci u Ceiii 9 reu TS fing q - Us clet, Upp - 1.64 0,6 £ ., 1. 4 6'-in w. W. flet 1. 1) 2 1 : . - 2011 - 61 9120 - 720-12 12 w. pe - pe 14 (. vet 5' Clura area a 11' 5-2,5 41. 121 4 (in the direction of the 6.8 sty will control 73



i . d 1: "0 p. Su to 67. No. 1 1 1 1 5) Part B(Z. 18.0 Some st. 10, 1875 but., t. 1. . . Slor 1. + 1 1 1 1 1) (. + . Impr of persisters, -cetur Te to o'e. i . red. " ". 15" 1. VC = 1:1 Part C S & C + 21,2 Ciers our, 44 (V ' 1 1., my sh ... , c ... , 1 (. 1 , 12.0 - 11 11 4 5.1 . 8 = 2 . 0 10 , 14 b v (5.0 in the second contraction 1,21 G.2 to c 74 (over) I cout on reverse

4.5 · · _ _ _ _ _ 1) h. L 4 - 2.1 1 . 4 91 , 3 1. 41 , , , Las ptions र् १ 1, 1, 1, -, -, -, -, -, S; IS 1. / 10. = · 111 1 61 102 - 105 +h 71 $C \cdot (1, 1), s_{\omega} = d^{\omega} \cdot (1, 1)$ 14 -1 5 CH 11/6 2,0 of inc / is elh b Landpierr until , e, wit. rip.

Tryen Kara Creek section me, by Rb out + The belief (W-12)

S 2 5 5 0 7/ 7 - 1 () T. T · 1/7/ 0171 -- 4 - 1 5/ 7.6 L171-671 11 -1; -178 = 1/1 -- 881 - - 6 91 - 4 ... * 1 . - -) 211 1 101; ==' LI 181 . = / - 7=/ - - - 000 1 612 - 4 - 417 9HZ ~ 17W



